

Lesson 9.1.4

9-38. If $n = \#$ nickels and $q = \#$ of quarters, then $0.05n + 0.25q = 1.90$, $n = 2q + 3$, and $n = 13$, so Daria has 13 nickels.

9-39. See below:

a. $x = \pm 0.08$

b. $x = \frac{2}{9}$ or -4

c. no solution

d. $x \approx 1.4$ or $x \approx -17.4$

9-40. While the expressions may vary, each should be equivalent to $y = x^2 + 4x + 3$.

9-41. See below:

a. $x = 2$

b. $x = 15$

c. $x = -2$

d. all real numbers

9-42. Line L has slope 4, while line M has slope 3. Therefore, line L is steeper.

9-43. See below:

a. 1.025

b. \$579.85